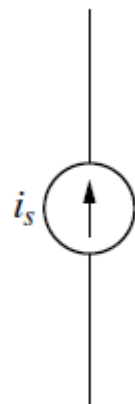
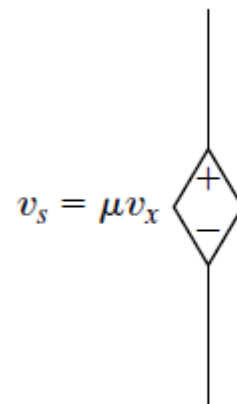


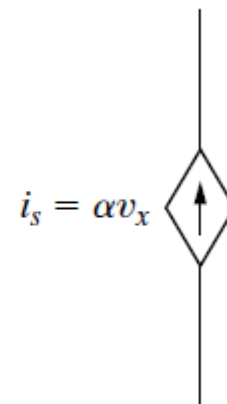
(a)



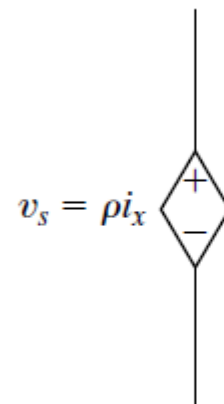
(b)



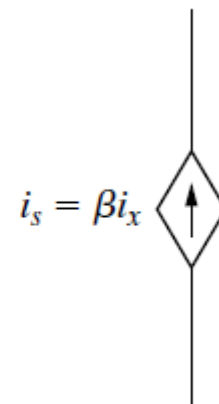
(a)



(c)



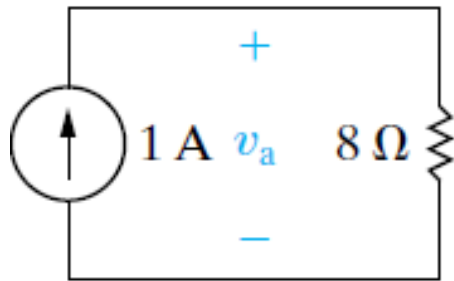
(b)



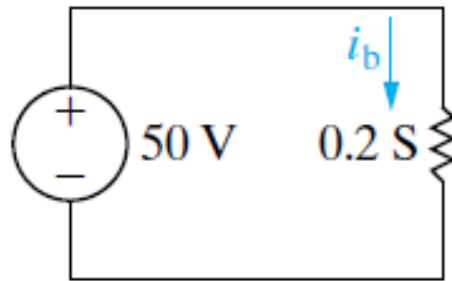
(d)

$$p = i^2 R.$$

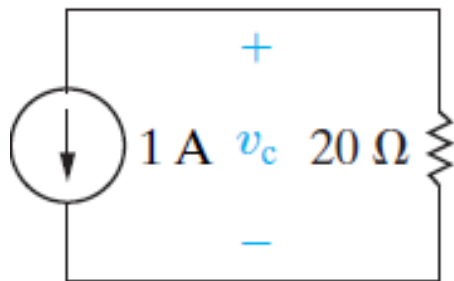
$$P = \frac{v^2}{R}.$$



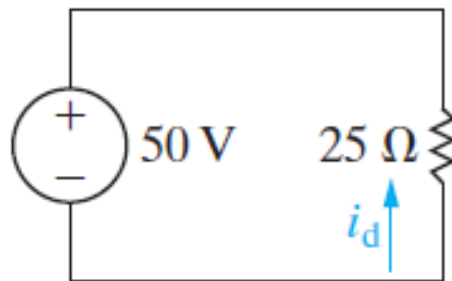
(a)



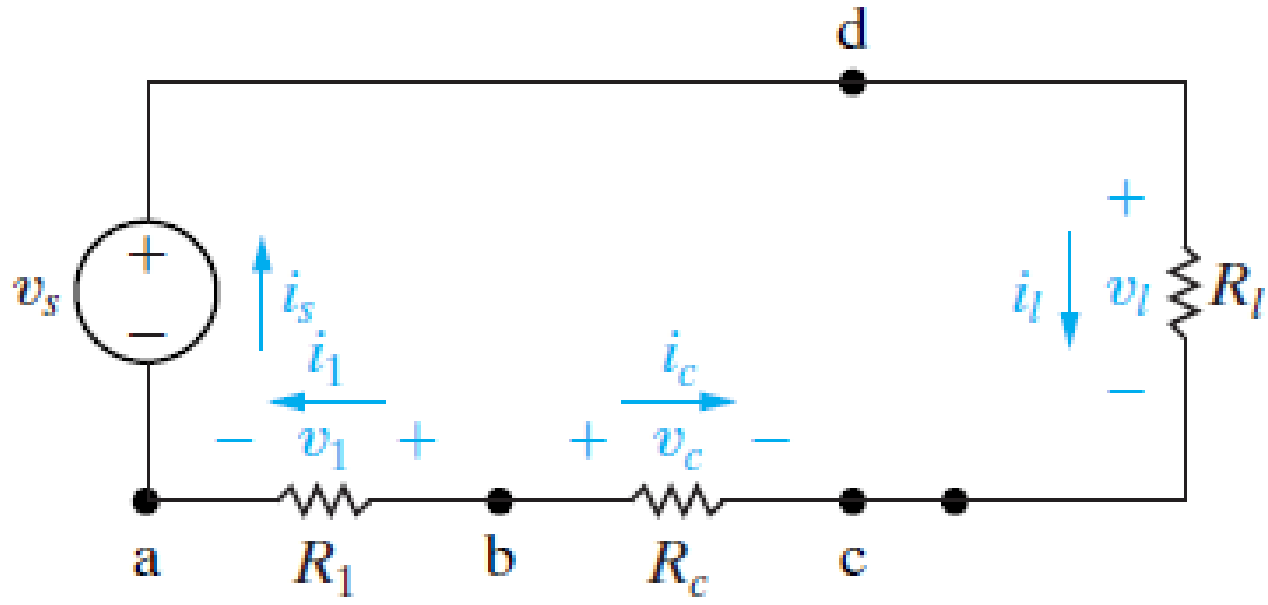
(b)

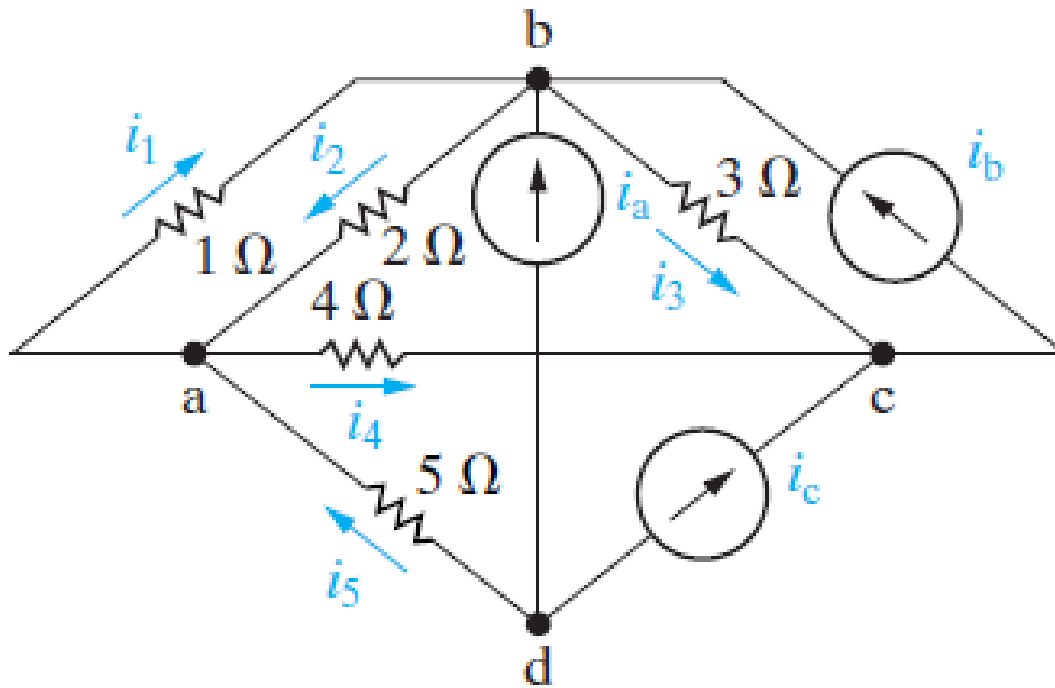


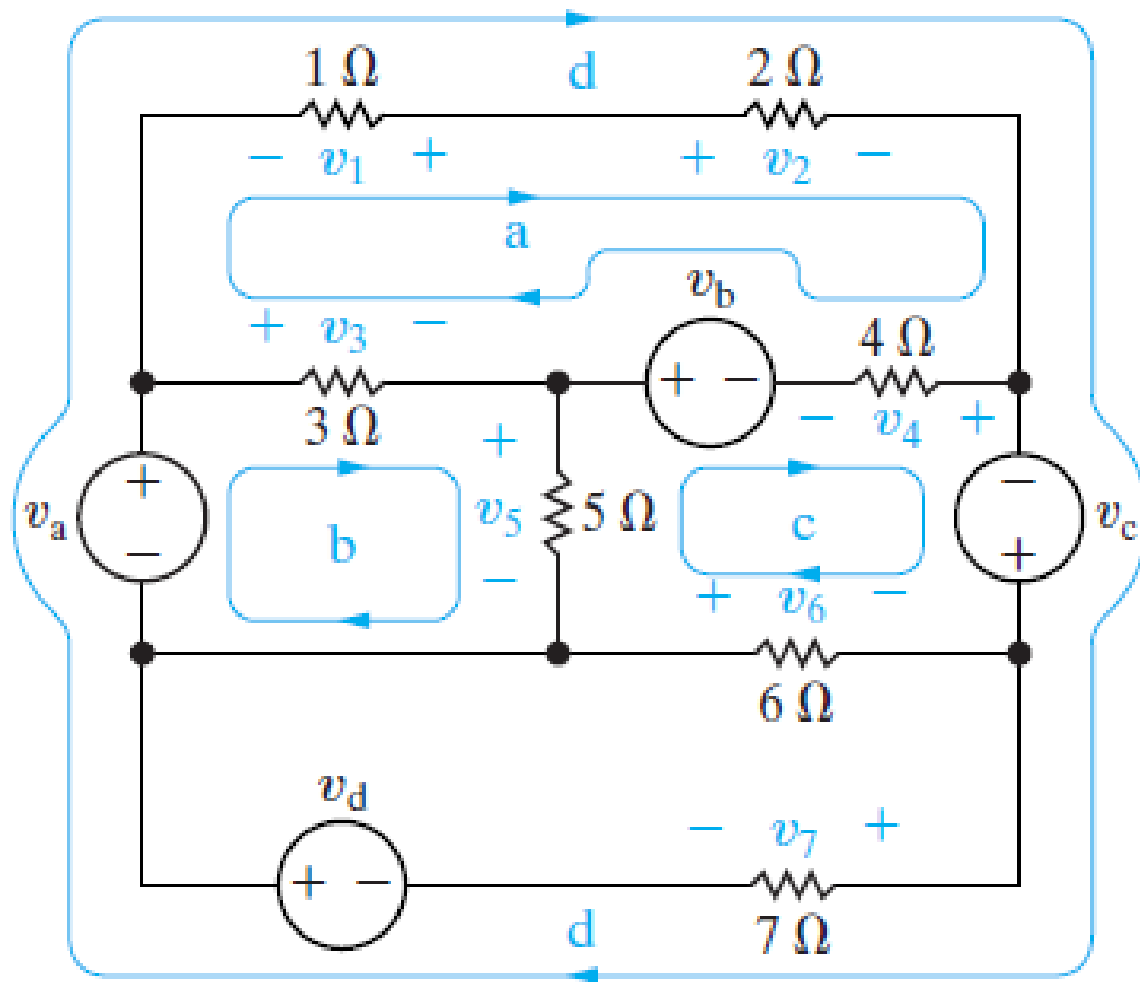
(c)

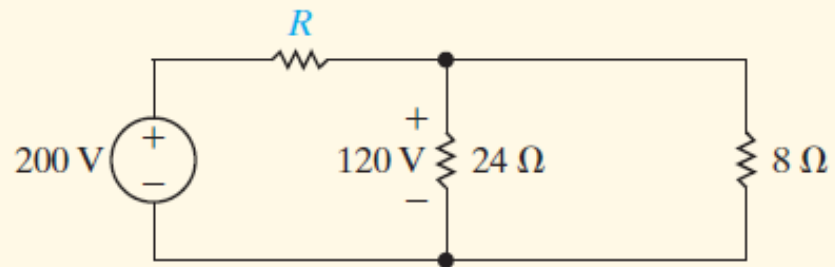
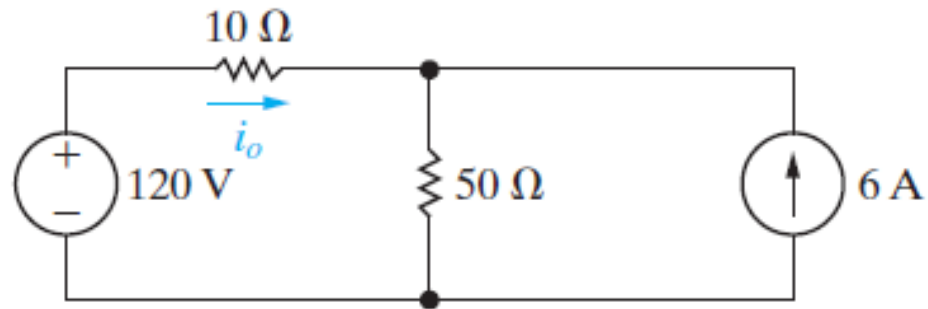
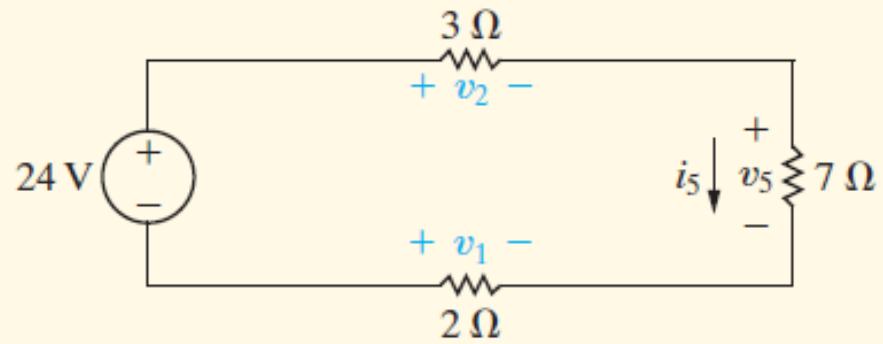


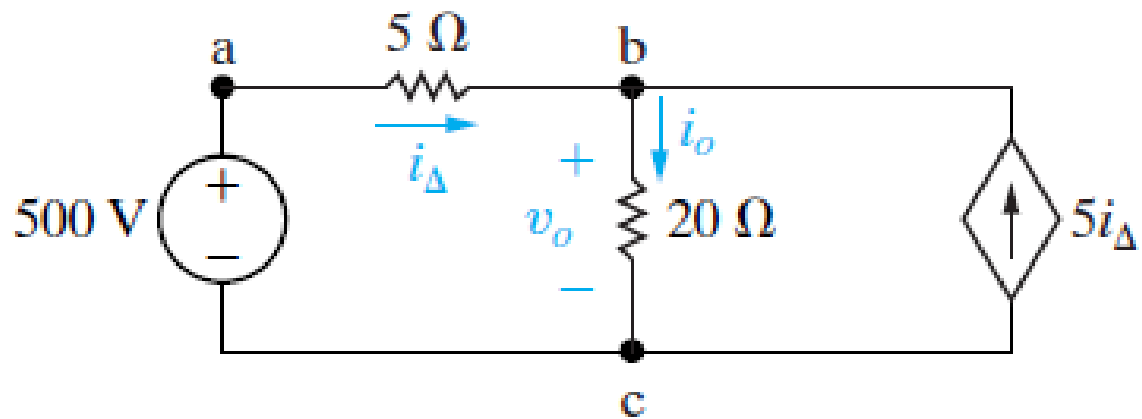
(d)











$$500 = 5i_\Delta + 20i_o.$$

$$i_o = i_\Delta + 5i_\Delta = 6i_\Delta.$$

$$i_\Delta = 4 \text{ A},$$

$$i_o = 24 \text{ A}.$$

$$v_o = 20i_o = 480 \text{ V}.$$

